BRUHATH BANGALORE MAHANAGARA PALIKE

DASARAHALLI ELECTRICAL DIVISION

MEASUREMENT BOOK

Name of work: :-Annual maintenance of street lights Package - D 4 inBagalgunte Ward no 14

Job Code No:-014-22-000002

Agreement No:EE/Ele/DZ/TEND/AGR/000012/2021-22 Date:31.03.2022

Reference to Supplementatry Agreement No: EE/Ele/DZ/TEND/SAG/24/22-23 Date:24.03.2023

Ref no and Date of commencement of work:-:-EE/(Elec)/DZ/TEND/WO/000004/2022-23 Date:04-04-2022

Reference to Supplementatry Work order No:- EE/Ele/DZ/TEND/SWO/30/22--23 Date:24.03.2023

Estimate Amount:Rs.4300000.00

EE/(Elec)/DZ/TEND/AS/13/2021-22 Date:21-03-2022

EE/(Elec)/DZ/TEND/TS/126/2021-22 Date:05-01-2022

Name of Contractror of nature of Agency:- M/s. Chowdeshwari Electricals

Measurement Book No: 6900 Page No: Date: 689992 to 689995

Bill NO :-10 RA Bill Bill Period :- 01.05.2023 to 31.05.2023

Sl. No.	Description	Unit	Period 1 Month	Present Measurements			
				Qty	Tender Full Rate for 1 year	Rate/Month	Cost
1	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below. 36/40 W fluorescent tube light street lighting system.	Each	1	0	685.00	57.08	0.00
	No of complaints attended for the period of 01.05.2023 to 31.05.2023						
2	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below. 125W HPMV Park lighting system.	Nos	1	104	756	63.00	6552
	No of complaints attended for the period of 01.05.2023 to 31.05.2023						0
3	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed belowPoles with 250W HPSV street lighting system.	Each	1	2642	1010	84.16	222350.72

EE (Ele) DZ

Assistant Engineer (Elec)
Bruhath Bangalore Mahanagara Palike

ASST. EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore.

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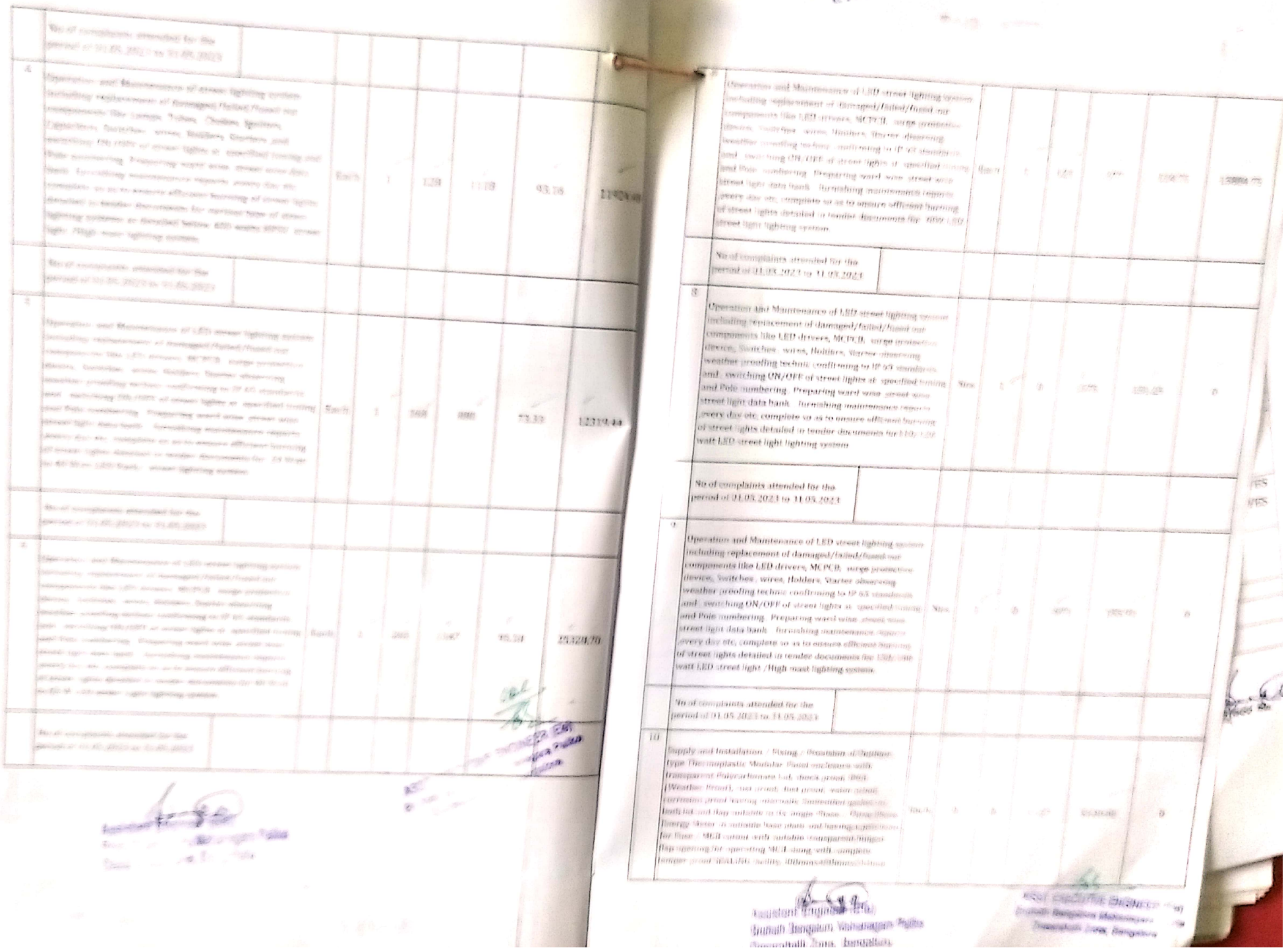

	No of complaints attended for the period of 01.05.2023 to 31.05.2023						
6	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective devices, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise street wise street light data bank. furnishing maintenance reports every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 150 watt LED street light lighting system.	Each	1	1250	1138	93.16	1140924.00
	No of complaints attended for the period of 01.05.2023 to 31.05.2023						
7	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective devices, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise street wise street light data bank. furnishing maintenance reports every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 150 watt LED street light lighting system.	Each	1	1400	1000	71.43	1237119.44
	No of complaints attended for the period of 01.05.2023 to 31.05.2023						
8	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective devices, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise street wise street light data bank. furnishing maintenance reports every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 240 watt LED street light /High mast lighting system.	Each	1	260	247	95.38	25328.78
	No of complaints attended for the period of 01.05.2023 to 31.05.2023						

	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective devices, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise street wise street light data bank. furnishing maintenance reports every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 150 watt LED street light lighting system.	Each	1	1250	1138	93.16	1140924.00
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	No of complaints attended for the period of 01.05.2023 to 31.05.2023						
10	Supply and Installation / Fixing / Provision of Outdoor type Thermoplastic Modular Panel enclosure with transparent Polycarbonate Lid, shock proof, Dust (Weather Proof), rust proof, fire proof, water splash (corrosion proof having minimum Ingress protection IP65 lock lid and flap suitable to fix single Phase / Three Phase Energy Meter in suitable base plate and having provision for fixing MCB inside with suitable transparent hinged flap opening for operating MCB along with complete tamper proof SEAL/LOCK facility, 100mmx100mmx200mm	Each	3	3	0	0.00	0

Assistant Engineer (Elec)
Gubbi Bangalore Metropolitan Region
Yelahanka Zone, Bangalore

CHIEF EXECUTIVE ENGINEER
Gubbi Bangalore Metropolitan Region
Yelahanka Zone, Bangalore

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11	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947 100 to 125Amps	Each	0	0	7200	7100.00	0
12	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.50-63 Amps SP	Each	0	0	723	720.00	0
13	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers.	Each	0	0	4030	4000.00	0
14	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments.6 sqmm	Mtr	0	0	70	65.00	0
15	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.6 sqmm	Each	0	0	7	7.00	0
	TOTAL						**292360.09**
	Add GST 18%			-12%	35083		257276.88
	TOTAL Rs			18%	46310		**303586.72**
	Fine imposed for non burning of street lights For the period of 01.05.2023 TO 31.05.2023						6071.73
	As per street light agreement clause 2 % will be						5847.20
	GRAND TOTAL						**291667.78**

CERTIFICATE

1.This is to certify that the work done is saticefactorily

2.This is to certify that the bill amount calimed in this bill does not claimed in any of the previous bill

ASST. EXECUTIVE ENGINEER
Bruhath Bangalore Mahanagara P
Dasarahalli Zone, Bangalore

Assistant Engineer(Elec)
Dasarahalli Division

Asst.Exe.Engineer(Elec)
Dasrahalli Division

Executive Engineer (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone

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